

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P773147

Luminaire Tested: LD6D85BD010-EU6DR6070959050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6070959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11542.4 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

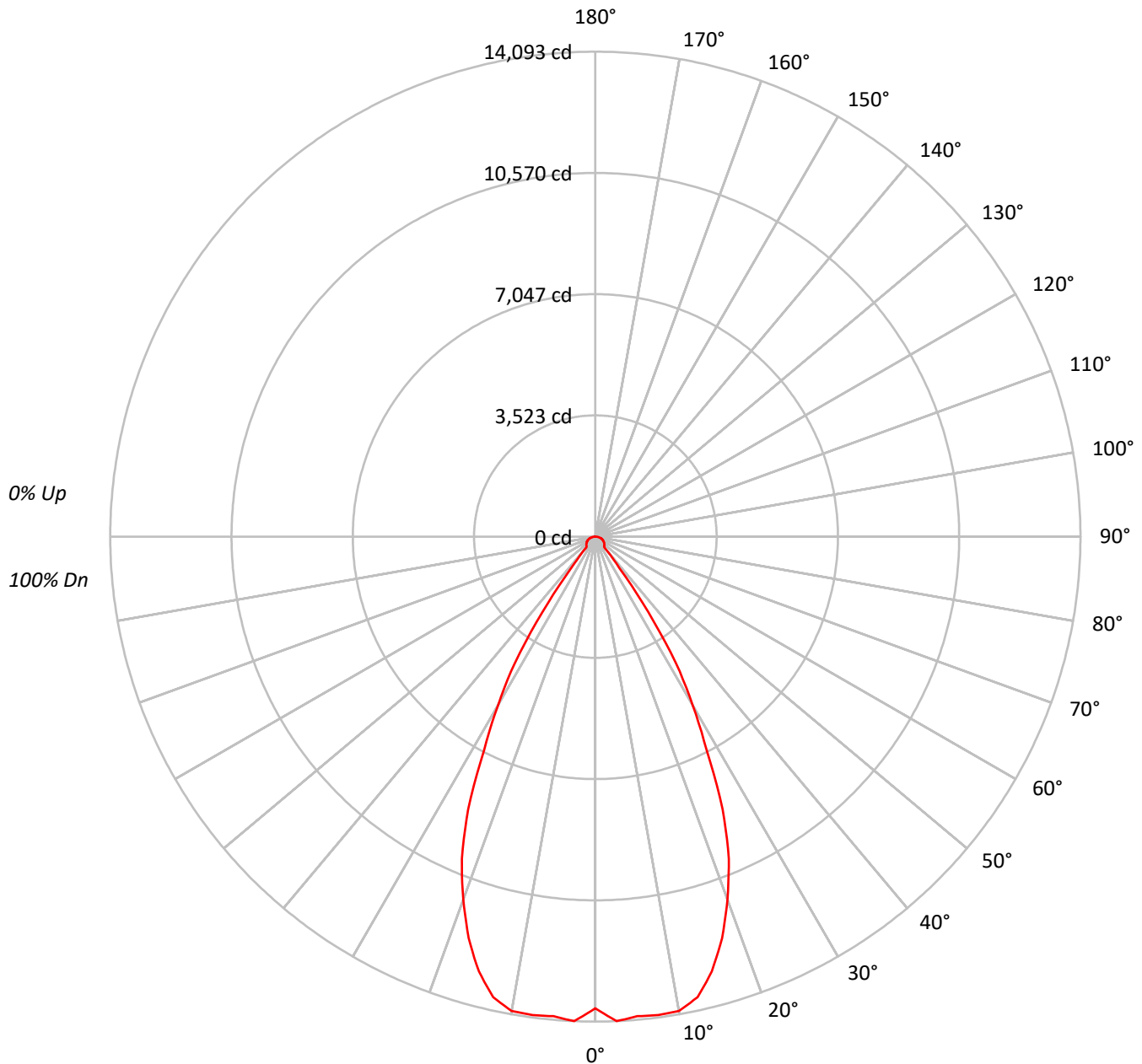


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1497757
5°	1534583
10°	1553126
15°	1479556
20°	1304512
25°	1055129
30°	713707
35°	357639
40°	58008
45°	56785
50°	57912
55°	58785
60°	60421
65°	61815
70°	63253
75°	63998
80°	61725
85°	51399

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 63998 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1337.3	11.6
10°-20°	3618.0	31.3
20°-30°	3892.7	33.7
30°-40°	1692.1	14.7
40°-50°	284.2	2.5
50°-60°	276.3	2.4
60°-70°	236.4	2.0
70°-80°	158.1	1.4
80°-90°	47.3	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8848.0	76.7
0°-40°	10540.1	91.3
0°-60°	11100.6	96.2
0°-90°	11542.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11542.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13708	
5°	13992	###
15°	13080	3618
25°	8752	3893
35°	2681	1692
45°	368	284
55°	309	276
65°	239	236
75°	152	158
85°	41	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13708.1
2.5°	14093.4
5°	13991.7
7.5°	14023.8
10°	13998.9
12.5°	13709.8
15°	13080.1
17.5°	12234.5
20°	11219.4
22.5°	10133.0
25°	8752.2
27.5°	7000.3
30°	5657.0
32.5°	4360.0
35°	2681.3
37.5°	1147.1
40°	406.7
42.5°	374.6
45°	367.5
47.5°	355.0
50°	340.7
52.5°	324.7
55°	308.6
57.5°	292.6
60°	276.5
62.5°	258.7
65°	239.1
67.5°	219.4
70°	198.0
72.5°	174.8
75°	151.6
77.5°	124.9
80°	98.1
82.5°	69.6
85°	41.0
87.5°	14.3
90°	0.0



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— 0°-180°







(END OF REPORT)